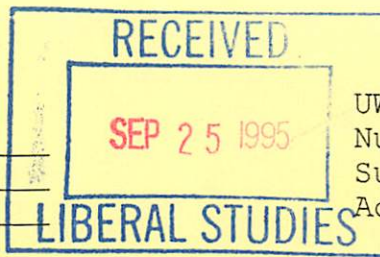


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Sen App-2/6/96

CURRICULUM PROPOSAL COVER SHEET

University-Wide Undergraduate Curriculum Committee

I. CONTACT

Contact Person Gail S. Sechrist/Whit Watts Phone 357-2250

Department Department of Geography and Regional Planning--Planning

II. PROPOSAL TYPE (Check All Appropriate Lines)

_____ COURSE _____
Suggested 20 character title

___ New Course* _____
Course Number and Full Title

___ Course Revision _____
Course Number and Full Title

___ Liberal Studies Approval+ _____
for new or existing course Course Number and Full Title

___ Course Deletion _____
Course Number and Full Title

___ Number and/or Title Change _____
Old Number and/or Full Old Title

_____ New Number and/or Full New Title

___ Course or Catalog Description Change _____
Course Number and Full Title

PROGRAM: _____ Major _____ Minor Track

New Program* B.S. in Regional Planning/GIS & Cartographer Track
Program Name

___ Program Revision* _____
Program Name

___ Program Deletion* _____
Program Name

___ Title Change _____
Old Program Name

_____ New Program Name

III. Approvals (signatures and date)

Gail S. Sechrist 9/11/95
Department Curriculum Committee

Susan Fricker 9-11-95
Department Chair

[Signature]
College Curriculum Committee

[Signature] 9/25/95
College Dean

+Director of Liberal Studies (where applicable)

[Signature] 12/1/95
*Provost (where applicable)

Part II. Description of Curriculum Change

1) Catalog description.

The Geographic Information Systems and Cartographer Track prepares students for employment as Geographic Information System Specialists, Facilities Managers, Cartographers, and Remote Sensing professionals. Course work includes methods for identifying, modeling, and analyzing the spatial organization of human and environmental systems from both practical and theoretical perspectives. Data collection, spatial information management, and graphic presentation are integral skills taught in track courses. Such skills could be used, for example, for analysis of wildlife habitat, utility facility management, or transportation system design and maintenance.

Credit Requirements for the GIS and Cartographer Track:

RP 313 Cartography II	3 sh
RP 314 Map and Photograph Interpretation	3 sh
RP 415 Remote Sensing	3 sh
RP 417 GIS Applications Development	<u>3 sh</u>
	12 credits

2) Detailed description.

a) Rationale/Justification

The creation of this track formalizes the existing course structure and sequence many of our students already follow. Formalization will permit ready identification of the curricular components we feel are most essential for the success of our students.

b) Credit Requirements

The GIS and Cartographer Track does *not* change the total number of courses or credits required for the Bachelor of Science in Regional Planning major. The track will substitute for the previous combination of controlled electives.

c) Sequencing

Freshman/Sophomore years:

- RP 213 (core requirement and prerequisite for RP 313 and RP 316)
- CO 101 recommended

Fall Junior:

- RP 314 Map and Photograph Interpretation
- RP 316 Introduction to GIS (core requirement)

Spring Junior:

- RP 313 Cartography II
- RP 415 Remote Sensing

Spring Senior:

- RP 417 GIS Applications Development

Part III. Implementation

1) Effect on students in the existing program.

The creation of the GIS and Cartographer Track formalizes the existing course structure and sequence many of our students already follow. Formalization will permit ready identification of the curricular components we feel are most essential for the success of our students.

2) Effect on teaching loads.

Each of the courses identified in the track are already taught annually in the indicated semester. Teaching loads will not be modified. New faculty will not be needed.

3) Effect on resources.

The formalization of this course structure into a track will not increase the burden on current resources (space, computers, equipment, etc.) beyond that which is already occurring due to increasing popularity of the courses in question. Since our GIS/Cartography Lab is a captive class room, we will accommodate enrollment increases through careful scheduling.

4) Effect on enrollments.

We anticipate an increase in the number of students as a result of the added clarity of purpose. We are already experiencing an increase because of the rapid growth in the demand for trained specialists in GIS and spatial information analysis and management. We anticipate 5-10 students in the GIS/Cartographer Track.